## Index of Claims

| Application No.    | Applicant(s)  |
|--------------------|---------------|
| 10/622,249         | GAMBLE ET AL. |
| Examiner           | Art Unit      |
| Datas C O'Cullivan | 1621          |

|              |                | 1            | Re             | Rejected       |              |                |  |              | -        | (                  | Cancelled  |          |          |          |          |              |          | 1            | 1        | Non-Elec   |          |           |          | ted      |            | A            | Appear     |                |          |          |            | -        |          |                         |
|--------------|----------------|--------------|----------------|----------------|--------------|----------------|--|--------------|----------|--------------------|------------|----------|----------|----------|----------|--------------|----------|--------------|----------|--|----------|-----------|----------|----------|------------|--------------|------------|----------------|----------|----------|------------|----------|----------|-------------------------|
|              |                | =            | Α              | llov           | ve           | d              |  |              | +        |                    | Restricted |          |          |          |          |              |          |              |          | Interference                                     |          |           |          |          |            | 0            | Objected   |                |          |          |            |          |          |                         |
|              | i              | ¥            |                |                |              |                |  |              |          |                    |            |          |          |          |          |              | _        |              |          |  |          |           | Г        |          |            |              | D-4-       |                |          |          |            |          |          | ٦                       |
| Clair        | Claim N & Date |              |                |                |              |                |  |              |          |                    | Claim      |          |          |          | Da       | Date         |          |              | ┍╌┰╾┤╶├  |  |          | Cla       |          | -        | Date       |              |            |                |          |          | T          | ┪        |          |                         |
|              | Original       | min 1        | ster 2         |                |              |                |  |              |          |                    |            | Final    | Original |          |          |              |          |              |          |  |          |           |          | Final    | Original   |              |            |                |          |          |            |          |          |                         |
|              |                | L.           |                |                |              |                | _                                      | _            |          | $\vdash$           | -          |          | 51       | +        | ╁        | +            | +        | +            | +        | +  | +        | -         | - }      | -        | 101        |              |            |                |          |          | 工          | 1        | #        | コ                       |
|              | 1_             | ~            | 7              | -              | $\dashv$     | $\vdash$       | -                                      |              | -        | Н                  | ŀ          |          | 52       | +        | +        | +            | _        | +            | +        | $\top$   |          |           |          |          | 102        |              |            |                | _        | 4        | _          | $\dashv$ | +        | 4                       |
|              | 3              | H            | +              | $\vdash$       |              | $\vdash$       | -                                      |              | -        | Н                  | 1          |          | 53       |          |          |              |          | $\Box$       | I        | $\Box$   | $\Box$   |           |          |          | 103        |              |            | -              | -+       | +        | +          | +        | +        | $\dashv$                |
| -            | 4              | Н            | Н              |                | _            | Н              | -                                      |              |          |                    |            |          | 54       |          | $\perp$  | $\Box$       | $\perp$  | _            | 4        | _  | 4        | _         |          |          | 104<br>105 | $\vdash$     | $\dashv$   | -              | -        | +        | +          | +        | +        | -                       |
| <del> </del> | 5              | М            | П              |                | _            |                |  |              |          |                    |            |          | 55       | _        | 4        | 4            | _        |              | 4        | -+   | -        |           |          |          | 105        | $\vdash$     | -          |                | ┪        | $\dashv$ | +          | +        | +        | -                       |
|              | 6              |              | $\Box$         |                |              |                |  |              | L        | Ш                  | Ļ          |          | 56       |          |          | +            | -        | +            | +        | -  | $\dashv$ | _         |          |          | 107        | $\vdash$     |            | $\neg$         | _        | -†       | $\dashv$   | $\top$   | 十        | ヿ                       |
|              | 7              |              | $\Pi$          |                |              | _              |  |              | _        | $\sqcup$           | ŀ          |          | 57<br>58 | -        | +        | +            | +        | +            | -        | -+   | -        |           |          |          | 108        | T            |            | $\neg$         |          | _†       |            | $\perp$  | $\Box$   |                         |
|              | 8_             | ↓_           | 44             | <u> </u>       |              | _              | Н                                      | _            | -        | $\vdash$           | }          |          | 59       | +        | +        | +            | +        | -            | +        | -  | ᅥ        | $\vdash$  |          |          | 109        |              |            |                |          |          | $\Box$     |          |          |                         |
| 1            | 9              | ↓_           | #1             |                | <u> </u>     | -              | -                                      | $\vdash$     | ├        | -                  |            |          | 60       | +        | _        | $\dashv$     | $\dashv$ | 7            | 1        | _  |          | _         | ŀ        |          | 110        |              |            |                |          | _        | _          | $\dashv$ | 4        | _                       |
| -            | 10             | ┼-           | ₩              | -              | ├-           | ⊬              | -                                      | ┝            | -        | ╁╌                 | t          |          | 61       | _        | $\dashv$ | 7            | ヿ        | 1            |          |  |          |           |          |          | 111        |              |            |                | _        | _        | -          | -        | -        |                         |
| -+           | 11             | +            | ₩              | ┢              | -            | +-             | -                                      |              | -        | $\vdash$           |            |          | 62       |          |          |              |          | $\Box$       | $\Box$   |  |          |           |          |          | 112        | -            |            |                |          |          | $\dashv$   | $\dashv$ | -        | $\dashv$                |
| $\vdash$     | 13             | +-           | H              | +-             | 1            | <u> </u>       |  |              | 1        |                    |            |          | 63       |          |          |              | 1        | 4            | _        | -  |          | _         |          |          | 113        | ╁            | <b>-</b> - | -              | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$ | $\dashv$ | $\dashv$                |
|              | 14             | $\top$       | 11             | Т              |              | Г              |  |              |          |                    |            |          | 64       | _        | _        | _            | -        | -            | 4        |  |          | ▙         | }        |          | 114<br>115 |              | ⊢          |                | $\vdash$ | -        | _          | $\dashv$ | 十        | $\dashv$                |
|              | 15             | Τ            | 17             | 1              |              |                |  |              | L        | ļ.,                | 1 1        |          | 65       |          | -+       | 4            | -        | $\dashv$     | -        | -  | _        | -         | 1        | -        | 116        | +-           | ┢          | -              | $\vdash$ | 一        |            | 1        | $\dashv$ | _                       |
|              | 16             | 1            | 71             |                | L            | <u> </u>       | <u> </u>                               | ļ            | _        | 1                  | 1 1        |          | 66       | -+       | -+       |              | $\dashv$ | -            | -        | -  | _        | -         | 1        |          | 117        | +            | -          | Т              | П        |          | 一          | _        | $\neg$   |                         |
|              | 17             | $\Gamma$     |                | _              | ļ.,          | 1_             | _                                      | _            | <u> </u> | ↓_                 |            |          | 67       | -        | $\dashv$ | $\dashv$     | -        | $\dashv$     |          |  | _        | ┢╌        | 1        |          | 118        |              |            | 1              |          |          | $\Box$     |          | $\Box$   |                         |
|              | 18             | $\perp$      | 1_             | -              | -            | ╄-             | ↓_                                     | ┝            | ┼        | ╁                  | } }        |          | 68<br>69 | $\dashv$ | -        | -            |          |              |          |  |          | 1         | 1        | <u> </u> | 119        | $\top$       |            |                |          |          |            |          |          | _                       |
| 1            | 19             | 4            | +              | ╂-             | <del> </del> | <del> </del> − | -                                      | -            | +-       | +-                 | ┥┟         |          | 70       | $\dashv$ | $\dashv$ | -            |          | 1            | _        |  |          | 1         | 1        |          | 120        |              |            |                |          |          | $\sqcup$   | _        |          | _                       |
| $\vdash$     | 20             | ╀            | +              | ╀              | +            | ╁              | ┝                                      | ╁            | +        | ╁                  | 1 1        |          | 71       | -        |          |              | $\vdash$ |              |          |  |          |           | ]        |          | 121        |              |            |                | _        |          | Ш          | _        | _        |                         |
|              | 21<br>22       | +-           | ╁              | ╁              | ╁            | +              | ╁                                      | ╁╴           | ╁        | +-                 | 1          |          | 72       |          |          |              | П        |              |          |  |          | L.        | ]        |          | 122        |              | ┞-         | <u> </u>       | L        |          | $\vdash$   |          | $\dashv$ |                         |
| 1            | 23             |              | ┿              | +              | +            | +              | ╁╴                                     | ╁            | +        | +                  | 1          |          | 73       |          | 1        |              |          |              |          |  |          | _         | ]        | _        | 123        |              | ╄-         | <del> </del> _ | <u> </u> | <u> </u> | $\vdash$   |          | $\dashv$ | $\dashv$                |
| 1            | 24             | +            | 十              | ╁╴             | +            | +              | †                                      | Τ            | T        | 1                  | 1          |          | 74       |          |          |              |          |              |          | _  | _        | 1_        | 4        |          | 124        | +            | ╀          | ╁              | ⊢        | -        | $\vdash$   | -1       | $\dashv$ | $\dashv$                |
|              | 25             | †            | $\top$         | $\top$         | 1            | 1              | 1                                      |              |          |                    |            |          | 75       | Щ        | $\dashv$ | _            | _        | _            | _        | _  | <u> </u> | ┼-        | -        | -        | 125<br>126 |              | ╁╴         | +-             | ├        | -        | Н          |          | -        | $\sqcap$                |
|              | 26             |              |                |                |              |                | $oxed{\Box}$                           |              |          | _                  |            |          | 76       |          | $\dashv$ | _            | $\vdash$ | _            |          | _  |          | +-        | ┨        | <b>-</b> | 127        | <del>'</del> | +          | +-             | $\vdash$ | -        | Н          | $\Box$   | $\sqcap$ | П                       |
|              | 27             |              |                |                | ╀            | _              | ــــــــــــــــــــــــــــــــــــــ | $\downarrow$ | $\perp$  | - -                | 4          | <u> </u> | 77       | H        | -        | _            | $\vdash$ |              | _        |  | -        | +         | ┨        | -        | 128        |              | +          | $\vdash$       | T        | Ι.       |            |          |          |                         |
|              | 28             |              | $\perp$        | $\perp$        | $\perp$      | - -            | ╀                                      | $\perp$      | +        |                    | -          | <u> </u> | 78       |          | -        | -            | Н        | _            | _        | <del>                                     </del> | -        | t         | 1        |          | 129        |              | $\top$     | T              |          |          |            |          |          |                         |
|              | 29             |              | +              | +              | +            | +              | +-                                     | ╀            | +        | +                  | ┨          | -        | 79<br>80 | H        |          | -            | H        |              | -        | T  |          | 1-        | 1        |          | 130        |              |            |                |          |          |            |          | _        | Ш                       |
| ļ            | 30             | 4            | -              | ╀              | ╁            | +              | ╁                                      | ╁            | +        | ╁                  | -          | -        | 81       | $\vdash$ |          | -            | $\vdash$ | _            | Г        |  |          | 1         | 1        |          | 131        |              |            |                | 1_       | L        | ↓_         | $\sqcup$ | $\vdash$ | $\vdash$                |
|              | 31<br>32       | +            | +              | +              | ╁            | +              | +                                      | +            | +        | +                  | 1          | _        | 82       |          |          |              |          |              |          |  |          | oxdot     |          |          | 132        | 2            | ↓_         | 1              | ↓_       | ⊢        | <b>├</b> - | $\vdash$ | ⊢        | Н                       |
|              | 33             |              | +              | +              | ╁            | 十              | ╈                                      | $\dagger$    | +        | $\top$             | 1          |          | 83       |          |          |              |          |              |          | L  | L        | $\perp$   | 4        | <u> </u> | 133        | 3            | +          | ╀              | ╄        | ├        | ╁          | -        | ⊢        | Н                       |
| -            | 34             |              | <del> </del> - | 1              | +            | 1              | 1                                      | T            |          |                    |            |          | 84       |          |          | _            | ↓_       | _            | _        | ↓_   | ļ.,      | +         | 4        | -        | 134        | <u>-</u>  -  | ╁          | +-             | 1-       | -        | +-         | $\vdash$ | ╁─       | Н                       |
|              | 35             |              | T              | T              | 1            | 1              |  |              |          |                    | ]          |          | 85       | _        |          | _            | _        | _            | <u> </u> | ┼-   | ┞        | +         | 4        | -        | 136        | 2            | ╁          | +              | +-       | ╁        | +-         | $\vdash$ | -        | Н                       |
|              | 36             | $\perp$      |                |                |              | $\perp$        |  | I            | 1        |                    | 4          | L        | 86       | ╙        | ┞        | <del> </del> | ╄-       | -            | ├        | ╁  | ╀        | ╀         | ┨        | -        | 13         |              | ╁          | +-             | 十        | 1        | 十          | $\vdash$ |          | П                       |
|              | 37             |              |                |                | $\perp$      |                | $\perp$                                | <u> </u>     | 4        | _                  | 4          | <u> </u> | 87       | ╀        | -        | ├            | ╁        | -            | ╁        | ╁  | ╁        | +-        | $\dashv$ |          | 131        |              | ╅          | 十              | $\top$   | T        | T          |          |          |                         |
|              | 38             |              | 4              | $\perp$        | 4            | 4              | 4                                      | 4            | 4        | -                  | 4          |          | 88       | ┼-       |          | ├            | +        | -            | ╀╴       | ┼-   | ╁        | ╁         | ┥.       | -        | 13         | <u> </u>     | 十          | 1              | T        |          | I          |          |          | $\Box$                  |
|              | 39             |              | +              | 4              | 4            |                | +                                      | 4-           | +        | +                  | 4          |          | 90       | +        | -        | $\vdash$     | +        | <del> </del> | 1        | 1  | t        | +         | 1        |          | 14         | 0            | I          | I              |          |          | $\prod$    | 1        | L        | $\sqcup$                |
| -            | 40             |              | +              | +              |              |                | +                                      | +            | +        | +                  | $\dashv$   | -        | 91       | +-       | $t^{-}$  | $t^{-}$      | +        | Τ            | t        | 1  | T        | $\dagger$ | 1        |          | 14         | 1            | I          | T              |          | L        | 4          | ↓_       | 4        | $\downarrow \downarrow$ |
|              | 41             |              | +              | +              | +            | +              | +                                      | +            | +        | -                  | +          | -        | 92       | T        |          | Γ            | 1        |              | I        | $\perp$  | L        | $\perp$   |          |          | 14         | 2            | $\perp$    | 4-             | $\bot$   | +        | +-         | +-       | +        | $\vdash$                |
| -            | 43             | 3            | +              | +              | +            | +              | +                                      | $\dagger$    | +        | _                  | 7          |          | 93       |          |          |              | L        |              | L        | 1  |          | 1         | 4        | _        | 14         |              | +          | +-             | +-       | ╀        | +-         | +        | +        | +                       |
| -            | 4              |              | +              | +              | +            | +              | $\top$                                 | T            |          |                    |            |          | 94       |          |          | Į            |          | 1_           | 1        | 4  | 1        | 4         | 4        | -        | 14         |              | +          | +              | ╁        | +        | +          | +-       | +-       | +                       |
|              | 45             | 5            | _              | _†             |              |                |  | 1            | I        | $oldsymbol{\perp}$ |            |          | 95       | 1        | 1        | 1            | 4        | $\vdash$     | +-       |  | +        | +         | $\dashv$ | -        | 14         |              | +          | +              | +-       | +        | +          | +        | †        | 11                      |
|              | 46             | 6            |                | I              | $\perp$      | $\perp$        | $\Box$                                 | I            | $\perp$  | $\perp$            | 4          | _        | 96       | +        | $\vdash$ | +            | +        | +-           | +-       | +-   | +        | +         | $\dashv$ | -        | 14         | <del>7</del> | +          | 十              | +        | T        | +-         | $\top$   | T        | $\top$                  |
|              | 4              |              | I              | $\perp \Gamma$ | $\prod$      | $\perp$        | $\perp$                                |              | $\perp$  | _                  | 4          | -        | 97       |          | ╀        | +-           | +-       | +-           | +        | +  | +-       | +         | $\dashv$ | $\vdash$ | 14         |              | +-         | 十              | +        | †        | $\top$     | T        | T        | $\Box$                  |
|              | 4              |              | $\downarrow$   | 4              | 4            | 4              | 4                                      | $\downarrow$ | 4        | +                  | $\dashv$   | -        | 98       |          | +        | +            | +        | +            | +        | +  | +-       | +         | -        | -        | 14         |              | $\top$     | T              | I        | Ι        | I          | I        | $\perp$  |                         |
| <u> </u>     | 49             | <del>9</del> | 4              | $\bot$         | _            | +              | -                                      | +            | 4        | +                  | $\dashv$   | -        | 100      |          | +-       | ╁            | +        | t            | +        | +  | +        | +         | $\dashv$ |          | 15         |              | 7          |                |          | Τ        | L          | L        | L        |                         |

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